**Reactions of haloalkanes**

**1) i)** For the reaction below



ii) State whether any conditions are required

iii) Describe the type of reaction occurring and explain why it is classified as this type of reaction

**2)** Chloroethane, CH3CH2Cl, reacts with aqueous KOH, alcoholic KOH, and with NH3.

Compare and contrast the reactions of chloroethane with the three reagents.

In your answer you should include:

• the type of reaction occurring and the reason why it is classified as that type

• the type of functional group formed

• equations showing structural formulae for reactions occurring.

© 2015 <http://www.chemicalminds.wikispaces.com>

NCEA questions and answers reproduced with permission from NZQA